

FORM PTO-1449 (Rev. 2-32) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE Information Disclosure Statement by Applicant (Use several sheets if necessary)	ATTY. DOCKET NO.	SERIAL NO
	RPI-109US	10/058,543
	APPLICANT: Khalid Al-Kofahi et al.	
FILING DATE		GROUP
January 28, 2002		2621

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U.S. PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Name	Class	Sub Class	Filing Date

FOREIGN PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Country	Class	Sub Class	Translation YES NO

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

MWB	1)	"Rapid Automated Three-Dimensional Tracing of Neurons from Confocal Image Stacks," by K. A. Al-Kofahi, S. Lasek, D. Szarowski, C. Pace, G. Nagy, J. N. Turner, and B. Roysam; IEEE Transactions on Information Technology in Biomedicine; (accepted, to appear) 2002
MWB	2)	"Rapid Automated Tracing and Feature Extraction from Retinal Fundus Images Using Direct Exploratory Algorithms," by A. Can, H. Shen, J. N. Turner, H. L. Tanenbaum, and B. Roysam; IEEE Transactions on Information Technology in Biomedicine, Vol. 3, No. 2; June 1999 (pp. 125-138)
MWB	3)	"Confocal Light Microscopy of Brain Cells and Tissue: Image Analysis & Quantitation," by J.N. Turner, W. Shain, D.H. Szarowski, S. Lasek, B. Sipple, C. Pace, K. Al-Kafahi, A. Can and B. Roysam Acta Histochem. Cytochem.; Vol. 32, No. 1; 1999 (pp 5-11)
MWB	4)	"Confocal Microscopy and Three-Dimensional Reconstruction of Electrophysiologically Identified Neurons in Thick Brain Slices," J. N. Turner, D. H. Szarowski, K. L. Smith, M. Marko, A. Leith and J. W. Swann; Journal of Electron Microscopy Technique, 18; 1991; (pp 11-23)
MWB	5)	"Iterative, Constrained 3-D Image Reconstruction of Transmitted Light Bright-Field Micrographs Based on Maximum Likelihood Estimation," by B. Willis, B. Roysam, J.N. Turner, and T.J. Holmes; Journal of Microscopy, Vol. 169, Pt. 3; March 1993 (pp 347-361)
MWB	6)	"Automated Tracing and Volume Measurements of Neurons From 3-D Confocal Fluorescence Microscopy Data," by A. Cohen, B. Roysam, and J.N. Turner; Journal of Microscopy, Vol. 173, Pt. 2; February 1994 (pp. 103-114)
MWB	7)	"Adaptive 3-D Skeletonization of Noisy Images Using NxNxN Connectivity Analysis Windows and Robust Surface Detection," by W. He, A.R. Cohen, J.N. Turner and B. Roysam; IEEE Transactions on Information Theory for Biomedicine; (accepted, to appear) 2002

Examiner <i>Michael Bowen</i>	Date Considered 8/25/05
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MWB	8)	"Three-Dimensional Quantitative Coronary Angiography," by T. Saito, M. Misaki, K. Shirato and T. Takishima; IEEE Transactions on Biomedical Engineering, Vol. 37, No. 8; August 1990 (pp 768-777)
MWB	9)	"Confocal Laser Scanning Microscopy and 3-D Reconstructions of Neuronal Structures in Human Brain Cortex," by P. Belichenko and A. Dahlstrom; Neuroimage, 2; 1995 (pp 201-207)
MWB	10)	"Locating Blood Vessels in Retinal Images by Piecewise Threshold Probing of a Matched Filter Response," By A. Hoover, V. Kouznetsova, and M. Goldbaum; IEEE Transactions on Medical Imaging, Vol. 19, No. 3; March 2000 (pp. 203-210)
MWB	11)	"Detection of Blood Vessels in Retinal Images Using Two-Dimensional Matched Filters," by S. Chaudhuri, S. Chatterjee, N. Katz, M. Nelson, and M. Goldbaum; IEEE Transactions on Medical Imaging, Vol. 8, No. 3; September 1989 (pp. 263-269)
MWB	12)	"Coronary Borders in Complex Images," by M. Sonka, M. Winniford, and S. Collins; IEEE Transactions On Medical Imaging, Vol. 14; March 1995 (pp. 151-161)
MWB	13)	"A Nonsmoothing Approach to the Estimation of Vessel Contours in Angiograms," by M. Figueiredo and J. Leitao; IEEE Transactions on Medical Imaging, Vol. 14, No. 1; March 1995 (pp. 162-172)
MWB	14)	"Adaptive Vectorization of Line Drawing Images," by R. Janssen and A. Vossepoel; Computer Vision and Image Understanding, Vol. 65, No. 1; January 1997 (pp. 38-56)
MWB	15)	Directional Low-Pass Filtering for Improved Accuracy and Reproducibility of Stenosis Quantification in Coronary Arteriograms," by Y. Sun, R. Lucariello, and S. Chiaramida; IEEE Transactions on Medical Imaging, Vol. 14, No. 2; June 1995 (pp. 242-248)

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